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**Document 3**

**PAN 2003-339197**

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**Derwent Title**

**Method for controlling power of multi-channel signal in mobile communication system**

**Patentee Details**

(GLDS ) LG ELECTRONICS INC;( GLDS )

**Inventor names**

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**Novelty**

A method for controlling the power of a multi-channel signal in a mobile communication system is provided to perform an **outer-loop** transmission **power control** about a supplemental channel using an acknowledgement/non-acknowledgement signal transmitted by a base station in case that an HARQ(Hybrid Automatic Repeat reQuest) process is performed on the supplemental channel of a reverse link.

**Detailed**

**Description**

A base station receives a pilot signal of a reverse link from an MS(Mobile Station)(S10,S11), and measures an SIR(Signal to Interference Ratio) of the pilot signal by an 1.25ms **power control** group unit(S12). The base station compares the measured SIR with a predetermined **power control** threshold value and generates a **power control** signal(S13). The MS changes the transmission **power** of the pilot signal according to the **power control** signal by Delta dB(S14). The base station checks a CRC(Cyclic Redundancy Check) of a fundamental channel(S16). If the CRC is good, the base station decreases the **power control** threshold value(S17). If the CRC is bad, the base station increases the **power control** threshold value (S17). The base station checks a CRC of a reverse supplemental channel (S19). If the CRC is good, the base station transmits an acknowledgement signal to the MS(S20). If the CRC is bad, the base station a non-acknowledgement signal to the MS(S20). The MS adjusts a gain value(Gs) of the reverse supplemental channel according to the received acknowledgement or non-acknowledgement signal(S21).

**Use**

No Data

**Advantage**

No Data

**Earliest Priority**

22-Jun-2001

**Patent Family**

Country & No.	Date	Kind	Derwent Week
KR-2003000007	03-Jan-2003	A	200332

**Priority Details**

Country & No.	Date
KR-0035629	22-Jun-2001

**Application**

Country & No.	Date
KR-0035629	22-Jun-2001

**Details**

KR-0035629	22-Jun-2001
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**Derwent Class** W02 Communications / Broadcasting, Radio and Line Transmission Systems.

**Manual Coding** W02-C03E Transmission systems (general) / Transmission systems (general)-Radio systems-General circuit details

**IPC** H04B-007/005

**Title Terms** std; method control power multi channel signal mobile communicate system

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Patent: KR 2003000007 A - Image No.: 1 [Hi Res Image]

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